

FLNA / Filamin A Antibody (clone 4E10-1B2)
Mouse Monoclonal Antibody
Catalog # ALS14377**Specification**

FLNA / Filamin A Antibody (clone 4E10-1B2) - Product Information

Application	WB, IHC
Primary Accession	P21333
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	281kDa KDa

FLNA / Filamin A Antibody (clone 4E10-1B2) - Additional Information**Gene ID** 2316**Other Names**

Filamin-A, FLN-A, Actin-binding protein 280, ABP-280, Alpha-filamin, Endothelial actin-binding protein, Filamin-1, Non-muscle filamin, FLNA, FLN, FLN1

Target/Specificity

Human FLNA

Reconstitution & Storage

Aliquot and store at -20°C or -80°C. Avoid freeze-thaw cycles.

Precautions

FLNA / Filamin A Antibody (clone 4E10-1B2) is for research use only and not for use in diagnostic or therapeutic procedures.

FLNA / Filamin A Antibody (clone 4E10-1B2) - Protein Information**Name** FLNA**Synonyms** FLN, FLN1**Function**

Promotes orthogonal branching of actin filaments and links actin filaments to membrane glycoproteins. Anchors various transmembrane proteins to the actin cytoskeleton and serves as a scaffold for a wide range of cytoplasmic signaling proteins. Interaction with FLNB may allow neuroblast migration from the ventricular zone into the cortical plate. Tethers cell surface-localized furin, modulates its rate of internalization and directs its intracellular trafficking (By similarity). Involved in ciliogenesis. Plays a role in cell-cell contacts and adherens junctions during the development of blood vessels, heart and brain organs. Plays a role in platelets morphology through interaction with SYK that regulates ITAM- and ITAM-like-containing receptor signaling, resulting in by platelet cytoskeleton organization maintenance (By similarity). During the axon guidance process, required for growth cone collapse induced by SEMA3A-mediated stimulation of

neurons (PubMed:25358863).

Cellular Location

Cytoplasm, cell cortex. Cytoplasm, cytoskeleton {ECO:0000250|UniProtKB:Q8BTM8}. Perikaryon {ECO:0000250|UniProtKB:Q8BTM8}. Cell projection, growth cone {ECO:0000250|UniProtKB:Q8BTM8}. Note=Colocalizes with CPMR1 in the central region of DRG neuron growth cone (By similarity). Following SEMA3A stimulation of DRG neurons, colocalizes with F-actin (By similarity). {ECO:0000250|UniProtKB:Q8BTM8}

Tissue Location

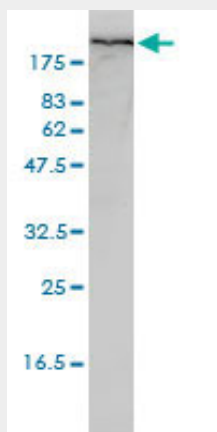
Ubiquitous.

FLNA / Filamin A Antibody (clone 4E10-1B2) - Protocols

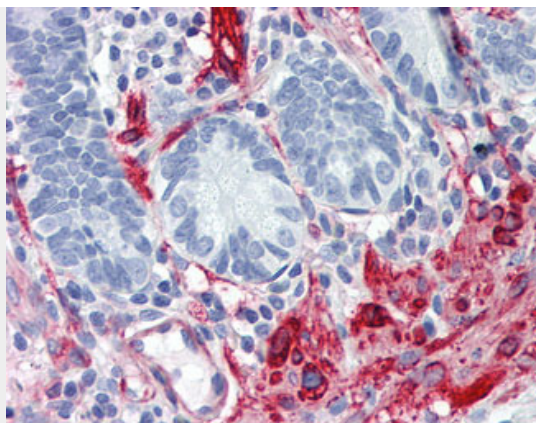
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

FLNA / Filamin A Antibody (clone 4E10-1B2) - Images



Western blot of FLNA expression in HL-60 cell lysate.



Anti-FLNA / FMD antibody IHC of human small intestine.

FLNA / Filamin A Antibody (clone 4E10-1B2) - Background

Promotes orthogonal branching of actin filaments and links actin filaments to membrane glycoproteins. Anchors various transmembrane proteins to the actin cytoskeleton and serves as a scaffold for a wide range of cytoplasmic signaling proteins. Interaction with FLNA may allow neuroblast migration from the ventricular zone into the cortical plate. Tethers cell surface- localized furin, modulates its rate of internalization and directs its intracellular trafficking (By similarity). Involved in ciliogenesis.

FLNA / Filamin A Antibody (clone 4E10-1B2) - References

Gorlin J.B.,et al.J. Cell Biol. 111:1089-1105(1990).
Patrosso M.C.,et al.Genomics 21:71-76(1994).
Chen E.Y.,et al.Hum. Mol. Genet. 5:659-668(1996).
Li J.,et al.Mol. Cell. Proteomics 9:2517-2528(2010).
Ota T.,et al.Nat. Genet. 36:40-45(2004).